

Recombinant Human EGFR protein

Cat. No. EGFR-201H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human EGFR Protein transcript variant 3, was expressed in CHO with no tag.
Species	Human
Source	CHO
Description	The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer.
Form	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Molecular Mass	97.5 kDa
AA Sequence	<p>LEEKKVCQGTSNKLTLGLTFEDHFLSLQRMFNCEVVLGNLEITYVQRNYDLSFLKTI QEVAGYVLIALNTVERIPLLENLQIIRGNMYEENSALAVLSNYDANKTGLKELPMRNL QEILHGAVRFSNNPALCNVESIQWRDIVSSDFLSNMSMDFQNHGSCQKCDPSCPN GSCWGAGEENCQKLTKIICAQQCSGRCRGKSPSDCCHNQCAAGCTGPRESCLV CRKFRDEATCKDTCPLMLYNPTTYQMDVNPEGKYSFGATCVKKCPRNYVVDHG SCVRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIGEFKDSLSINATNIKHFKNC</p>

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TSISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLIQAWPENRTDLHAFE
 NLEIIRGRTKQHGGQFSLAVVSLNITSLGLRSLKEISDGDVVISGKNLCYANTINWKKLF
 GTSGQKTKIISNRGENSCKATGQVCHALCSPEGCWGPEPRDCVSCRNVSRGRECV
 DKCNLLEGEPRFVENSECIQCHPECLPQAMNITCTGRGPDNCIQCAHYIDGPHCVK
 TCPAGVMGENNTLVWKYADAGHVCHLCHPNCTYGCTGPGLEGCPTNGPKIPS

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

Concentration Resuspend the protein in the desired concentration in proper buffer

GENE INFORMATION

Gene Name [EGFR epidermal growth factor receptor \[Homo sapiens \]](#)

Official Symbol [EGFR](#)

Synonyms EGFR; epidermal growth factor receptor; epidermal growth factor receptor (avian erythroblastic leukemia viral (v erb b) oncogene homolog) , ERBB; ERBB1; erythroblastic leukemia viral (v erb b) oncogene homolog (avian); proto-oncogene c-ErbB-1; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; receptor tyrosine-protein kinase erbB-1; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; ERBB; HER1; mENA; PIG61;

Gene ID [1956](#)

mRNA Refseq [NM_201283](#)

Protein Refseq [NP_958440](#)

MIM [131550](#)

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UniProt ID

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